

#### ABSTRACT OF DISCLOSURE

An optical transmission equipment for use in an optical transmission system, having an optical amplifier (10A), comprising: a first optical doped fiber (1A); a second optical 5 doped fiber (1B); a third optical doped fiber (1C); an optical isolator (6) of bringing loss in the optical signal, being provided between the first optical doped fiber and the second optical doped fiber; a dispersion compensator (7) being provided between the second optical doped fiber and the third optical 10 doped fiber; and a pumping light source (2) being optically connected to so that the optical doped fibers (1A, 1B, 1C) are excited in common.